

## INDEX TO VOLUME 2

Original articles are in **bold face type**; abstracts and cross references in ordinary type.

	PAGE		PAGE
Algodonite, a mixture.....	21	Brongniardite, a mixture.....	21
Allen, John A. See Warren, Allen, and Conner.		Brown, Amos P. (Obituary)...	139
Allen, J. J. Flint.....	142	<b>Brown, Glenn V. Seleniferous sulfur</b> .....	116
Alloclasite, a mixture.....	21	— selensulfur.....	12
Alunite.....	120	— See Larsen and Brown..	
Amethyst, color of.....	142	Brown, J. Coggin. Meteor- ites, India [Ref.].....	97
Analyses of Western Australia rocks, meteorites, and natu- ral waters (Simpson). [Ref.]	111	Butler, B. S. and Schaller, W. T. Magnesioludwigite.....	68
<b>Andersen, Olaf. Labradorite.</b>	91	Butterfly-twin of gypsum (Spen- cer). [Ref.].....	55
Anderson, C. Australian min- eralogy [Ref.].....	55	Calaverite.....	125
Animikite, a mixture.....	21	Calcite 12, 96, 121, 130, 139,	140
Apatite.....	69, 96	— quartz and prochlorite from the Caucasus (Ivanov). Calcium-phosphate in meteoric stones, on the, (Merrill)...	70
Aphrosiderite.....	56	California; alunite, 120; apa- tite, 96; celestite, 119; durde- nite, 45; eakleite, 111; grif- fithite, 54; howlite, 1; hydro- giobertite, 3; labradorite, 91; lithargite, 18; massicotite, 18; priceite, 1; scheelite....	119
<b>Apparent cleavage in Cripple Creek telluride (calaverite). (Duce).....</b>	125	Calkins, F. C. Plagioclases...	70
Arsenic.....	12, 140	Calomel crystals with unusual habit (Cesaro).....	69
Asbestos.....	69	Cancrinite.....	13
<b>Association of pyrite and stil- bite in New Jersey, The (Hones).....</b>	117	<b>Canfield, Frederick A. Crys- tals of water.....</b>	90
Augite, titaniferous.....	112	— New Jersey pseudo- morphs.....	48
Aurichalcite from Big Cotton- wood Canyon, Salt Lake County, Utah (Ledoux)....	130	<b>Carpenter Mineral Collection (Stevens).....</b>	133
<b>Aventurine labradorite from California (Andersen).....</b>	91	<b>Carr Mineral Collection (Ste- vens).....</b>	8
<b>Azurite from Tsumeb, Ambo- land, Southwest Africa (Thomson).....</b>	46	Carrollite, a mixture.....	21
Balzac, Fausta. Epidote and clinozoisite; piedmontite...	140	Carus-Wilson, Cecil. Flint...	142
Bariohitecockite.....	120	Catalog of the collection of me- teorites (Farrington). [Ref.]	12
Barnhardtite, a mixture.....	121	Catoptrite, a new mineral from Nordmarken (Flink).....	129
Bazzite.....	70	Caven, R. M. Flint.....	141
Beard, R. E. See Watson and Beard.		Celestite.....	119
Beryl, etching figures.....	70	Cesaro, G. Calomel.....	69
Beutell, A. Nickel arsenides..	56	— Plagioclases [Ref.].....	111
— and Lorenz, F. Smal- tite and löllingite.....	56	Chacko, I. C. Cordierite.....	14
Bibliography of Australian Mineralogy (Anderson) [Ref.]	55	<b>Chalcedony mistaken for an iron sulfate mineral (Wherry and Glenn).....</b>	6
— of North American Geol- ogy for 1915 (Nickles).....	27	Chalcoicite.....	13
Blake, John M. Crystal Zones	55		
Bornite.....	13, 21		
Boston Society of Natural His- tory, collection.....	66		
Bradford, S. C. Flint.....	142		

- Chemical composition of a sulfo-salt from San Giorgio, Sardinia (Comucci). [*Ref.*]... 140
- process involved in the formation of dipyre (mizzonite) from the plagioclase of the ophites of the Pyrenees (Lacroix)..... 70
- Chemistry of minerals (Pogue). 12
- Chlorites..... 56
- Clarke, F. W. Melilite and gehlenite..... 112
- Clayton Peak, Utah: one of Nature's storehouses of minerals (Field)..... 92
- Cleaning ferberite specimens (Patton)..... 74
- Clinzoisite..... 140
- Cole, Grenville A. J. Flint... 142
- Colemanite..... 1, 2
- Collections of meteorites in the American Museum (Reeds).. 69
- Colloid minerals. See Gel Minerals.
- Color of amethyst, rose and blue varieties of quartz (Watson and Beard)..... 142
- Colorado; calaverite, 125; chalcodony mistaken for glockerite, 6; gilpinite, 75; halloysite, 96; rhodochrosite, 130; sulfatic cancrinite, 13; thuringite, 56; zeolites..... 29
- Colorado State Bureau of Mines Collection (Duce).... 103
- Common refractory oxides, (Sosman) [*Rev.*]..... 38
- Composition of apatites (Zambonini)..... 69
- of seleniferous sulfur (Brown)..... 116
- of selensulfur from Hawaii (Brown)..... 12
- Comucci, Probo. Sulfo-salt... 140
- thulite-pyrosclerite rock 140
- Connecticut minerals..... 99
- Conner, M. F. See Warren, Allan and Conner.
- Constitution and fundamental properties of solids and liquids (Langmuir). [*Rev.*]... 36
- of melilite and gehlenite, The (Clarke)..... 112
- Contribution to the mineralogy of Madagascar (Ungemach). 69
- from the departmental laboratory (Mingaye)..... 98
- Cordierite..... 12, 14
- Cox, G. H., Dean, R. S. and Gottschalk, V. H. Cherts and zinc ores..... 142
- Crandallite, a new mineral (Loughlin and Schaller).... 42
- Cristobalite..... 130
- (Le Chatelier)..... 140
- Crookes, Sir William. Spectra of meteorites..... 25
- Crystal form of spencerite, The (Walker)..... 142
- Crystallographic constants of epidote and of clinzoisite between 15 and 400° (Balzac) 140
- note on the piedmontite from St. Marcel, Valle D'Aosta (Balzac)..... 140
- Crystallography, elementary introduction to. (Wintringham) 49, 65, 82, 93, 109, 118, 126
- Crystals of pyromorphite (Shannon)..... 98
- Crystals of Water (Canfield)... 90
- Cubanite, a mixture..... 21
- Cyclopitite (anorthite) from Santa Maria La Scala, near Acireale (Franco)..... 140
- Dean, R. S. See Cox, Dean and Gottschalk.
- Decimal grouping of the plagioclases (Calkins)..... 70
- Descriptive catalogue of the meteorites comprised in the collection of the Geological Survey of India, Calcutta (Brown). [*Ref.*]..... 97
- Developing crystallized mineral specimens (Hawkins)..... 101
- Devitrification of lead glass (Le Chatelier)..... 130
- Diamond-bearing gravel from Belgian Congo (Edwards)... 88
- Diamonds; a study of the factors that govern their value (Wade). [*Rev.*]..... 66
- of Smith's Flat (Evans) 12
- Diasporite in Missouri (Wherry) 144
- Dioptase..... 58
- Dipyre..... 70
- Discovery of celestite, A (Mallery)..... 119
- of gem garnet in New York City, A. (Manchester and Stanton)..... 85
- Dolomite, 74; fetid..... 70
- Domeykite, a mixture..... 21
- Duce, J. Terry. Telluride (Calaverite)..... 125
- Colorado Collection... 103
- Durdenite from California (Larsen)..... 45
- Eakleite, a new mineral from California (Larsen)..... 111

- Ectropite, a new mineral from Longbanshyttan, Sweden (Flink)..... 128
- Edwards, M. G. Diamond-bearing gravel..... 88
- El Doradoite (Watkins)..... 26
- Elementary introduction to crystallography, An (Wintringham) 49, 65, 82, 93, 109, 118, 126
- Elements of Mineralogy, Crystallography, and Blow-pipe Analysis (Moses and Parsons). [Rev.]..... 51
- Emerald deposits of Muzo, Colombia, The (Wherry)..... 27
- Emerson, B. K. Mineralogical Notes..... 13
- Epiboulangerite from Montana (Shannon)..... 131
- Epidote..... 140
- Etching figures of beryl, On the (Hones)..... 70
- Evans, Burr. Diamonds..... 12
- Evans, John W. Angular direction [Ref.]..... 55
- directions-image [Ref.]..... 55
- refractive indices..... 25
- Experiments in etching spheres of quartz and  $\alpha$ -quartz (Nacken)..... 140
- Farrington, O. C. Meteorites. 12
- Goyazite..... 111
- Federov, E. S. Zones..... 96
- Ferberite, cleaning (Patton).... 74
- Ferroludwigite..... 69
- Fetid dolomite from Marzshelan (Shadlun)..... 70
- Field, V. W. Clayton Peak, Utah..... 92
- Fischerite..... 31, 32
- Flight of a meteorite (Thomson)..... 69
- Flink, Gustav. Mineralogy of Sweden..... 128-130
- Flint..... 141-2
- Florenceite..... 120
- Florida; meteorite..... 55
- Ford, W. E. New mineral names..... 27, 111
- Formation of the oxidized ores of zinc from the sulfide (Wang)..... 28
- Franco, S. D. Cyclopite (anorthite)..... 140
- Franklinite..... 5
- Galena..... 12, 21, 97
- Garnet..... 85, 141
- Gaubert, P. Bazzite..... 70
- Gehlenite..... 112
- Gel minerals (Colloid Minerals) (Greenland) 113, 122, 134, 145
- Gems and precious stones in 1915 (Schaller)..... 97
- Gem-mining in the United States; tourmaline and turquoise (Gratacap). [Ref.]... 69
- Genesis of asbestos and asbestiform minerals (Taber)..... 69
- of pleochroic haloes (Joly). [Ref.]..... 97
- Genetic relationship and classification of meteorites, On the (Prior)..... 55
- Georgia, Whitfield Co. iron..... 111
- Gilpinite, a new uranium mineral from Colorado (Larsen and Brown)..... 75
- Glenn, Miltiades L. Pectolite after quartz..... 43
- See Wherry and Glenn..... 6
- Glockerite (chalcedony)..... 6
- Goethite..... 141
- Gold..... 97
- Gonnard, Ferdinand. Idocrase..... 70
- Gorceixite..... 120
- Gottschalk, V. H. See Cox, Dean and Gottschalk.
- Goyazite..... 70, 111, 120
- Graduated sphere for the solution of problems in crystal optics (Warren)..... 55
- Gratacap, L. P. Tourmaline and turquoise [Ref.]..... 69
- spherosiderite..... 81
- Green calcite from Glens Falls, New York (Koch)..... 121
- Greenland, Cyril W. Gel minerals..... 113, 122, 134, 145
- Griffithite, a member of the chlorite group (Larsen and Steiger)..... 54
- Guide to the mineral collections (Whitlock)..... 11
- Gypsum..... 55, 141
- Hahn, P. D. Radioactive minerals..... 112
- Halloysite from Colorado (Larsen and Wherry)..... 96
- Hamlinite..... 70, 111, 120
- Hancock, Elwood P., 4; collection of..... 50
- Hawkins, Dr. Alfred C..... 128
- Developing specimens. 101
- Headden, William P. Mineralogical notes [Ref.]..... 97
- Hibbenite..... 11
- Hills, Richard C. Rare minerals..... 97
- Hitchcockite..... 120
- Hoadley, Charles W. Connecticut minerals..... 99

Holden, Edward F. Quartz crystals.....	81	Langmuir, Irving. Constitution of solids [Rev.].....	36
Honess, Arthur P. Hexagonal alternating crystals.....	57, 71	Lankester, E. Ray. Flint.....	141
— etching figures of beryl.....	70	Larsen, Esper S. Durdenite.....	45
— pyrite and stilbite.....	117	— Eakleite.....	111
Hopeite.....	96	— fischerite.....	31
Hopeite from the H. B. Mine, Salmo, B. C. (Walker).....	56	— Hydrogiobertite, a mixture.....	3
Hostetter, J. C. See Wright and Hostetter.		— Massicot and litharge.....	18
How to determine the indices of refraction of minerals.....	4	— partschinite.....	20
How to etch meteorites.....	39	— penfieldite.....	20
How to prepare a specimen for mineralographic study.....	23	— pricerite.....	1
Howlite.....	1	— Uranothallite and liebigite.....	87
Hydrogiobertite, a mixture....	3	— and Brown, Glenn V. Gilpinite.....	75
Ichikawa, S. Japanese minerals.....	12, 141	— and Steiger, George. Griffithite.....	54
Idaho, plattnerite, 15; pyromorphite.....	98	— Mineralogic notes.....	56
Identity of hamlinite with goyazite, On the (Schaller).....	70	— Sulfatic cancrinite.....	13
Idocrase.....	70	— and Wherry, Edgar T. Hallosite.....	96
Ilsemannite, hydrous sulfate of molybdenum (Schaller).....	141	— Leverrierite.....	112
Inclusions of iron-minerals in mica and some properties of goethite (Mügge).....	14	— See Wherry and Larsen; Wells and Larsen.	
Indices of refraction of minerals.....	4, 25	Le Chatelier, H. Cristobalite lead glass.....	140, 130
— of analyzed rhodochrosite and siderite (Wherry and Larsen).....	130	Ledoux, A. Aurichalcite.....	130
Is partschinite a distinct species? (Larsen).....	20	—, T. L. Walker and A. C. Wheatley. Parahopeite.....	96
Isolation of the directions-image of small objects (Evans). [Ref.].....	55	Leverrierite from Colorado (Larsen and Wherry).....	112
Ivanov, L. L. Calcite, quartz and prochlorite.....	70	Liebigite.....	87
Joly, J. Pleochroic halos [Ref.].....	97	Lincio, G. Minerals of Borgofranco D'Ivrea.....	140
— Radioactive halos [Ref.].....	141	Lithargite.....	18, 19
Joplin District.....	67	Löllingite, synthesis.....	56
Kalioalunite.....	120	Lorenz, F. See Beutell and Lorenz.	
Kaliohitchcockite.....	120	Lorettoite, a new mineral (Wells and Larsen).....	26
Keweenawite, a mixture.....	21	Loughlin, G. F. and Schaller, W. T. Crandallite.....	42
Klaprotholite.....	14, 21	Ludwigite.....	68
Kobellite, a mixture.....	21	Magnesioludwigite, a new mineral (Butler and Schaller)...	68
Koch, Louis H. Green Calcite.....	121	Mallery, W. Celestite.....	119
— Ptilolite.....	143	Manchester, James G. and Stanton, Gilman S. Gem garnet.....	85
Labradorite, aventurine.....	91	Margarosanite from Longbanshyttan (Flink).....	129
Lacroix, A. Tridymite.....	130	Massachusetts; anhydrite, 13; zeolites, 13; other minerals..	67
— dipyre (mizzonite).....	70	Massicot and litharge, the two modifications of lead monoxide (Larsen).....	18
Lamellar calcite at Keystone, South Dakota (Wherry).....	139	Massicotite.....	18, 19
Lane, Alfred C. Mirabilite....	63	McDonnell, C. C., and Smith, C. M. Artificial mimetite..	28
		McKinstry, Hugh E.....	128

Mellite.....	112	Natroalunite.....	120
Merrill, George P. Meteoric stones, Texas [Ref.].....	97	Natrohitchcockite.....	27
——, Meteoric stone, Florida.....	55	Natrolite.....	27
——, Meteorite, Tennessee.....	27	Neodymium as the cause of the red-violet color in certain minerals (Wherry).....	96
——, Whitfield County, Georgia, meteoric irons.....	111	New find of meteoric stones near Plainview, Hale Co., Texas (Merrill). [Ref.].....	97
——, Calcium-phosphate..	96	New forms of natrolite, some (Phillips).....	27
Merrillite, meteoritic calcium phosphate (Wherry).....	119	New Jersey: frankinite, 5; pyrite, 117; pseudomorphs, 24, 43, 48; pectolite, 43; stilbite, 117; thaumasite, 89, 125; titanite.....	120
Meteorite stone, Lake Okechobee, Fla.....	55	New Mexico, chalcedony.....	6
——, Plainview, Hale Co., Texas.....	97	New mineral names (Ford).....	27, 111
——, of Launton, Warbreccan, Cronstad, Daniel's Kuil, Khairpur, and Soko Banja (Prior).....	55	New minerals: bazzite, 70; catoptrite, 129; crandallite, 42; eakleite, 111; ectropite, 128; eldoradoite, 26; gilpinite, 75; griffithite, 54; hibbenite, 11; lorettoite, 26; magnesioludwigite, 68; merrillite, 119; spencerite, 41; sulfatic cancrinite.....	13
——, Calcium phosphate in Meteorites, collections...12, 69,	97	New occurrence of ptilolite, A (Koch).....	143
——, flight of.....	69	New process of coloring glass by short wave-lengths of light, A (Rosenthal).....	98
——, how to etch.....	39	New scheelite discovery, A. (Storms).....	119
——, photographic spectra of (Crookes).....	25	New York: calcite, 96, 121; garnet, 85; spessartite.....	24
Method of determining the angular directions represented by a point in the directions-image of an object under the microscope (Evans). [Ref.].....	55	New York Mineralogical Club. 8, 24, 39, 53, 67, 84, 95	95
Mica, 141; after cordierite.....	12	New zinc phosphates from Salmo, British Columbia (Phillips).....	11
Michigan, mirabilite.....	62	Newark Mineralogical Society..	84
Microscopical determination of the opaque minerals (Murdoch). [Rev.].....	21	Newly found meteoric stone from Lake Okechobee, Florida (Merrill).....	55
Mimetite, artificial.....	28	Nickles, John M. Bibliography..	27
Mineral Collectors Association..	139	Nomenclature and classification of the native element minerals (Wherry).....	141
Mineralogic notes (Emerson)..	13	Notable crystals of calcite from Andreasberg, Harz (Viola).....	140
—— (Headden).....	97	Note on goyazite, (Farrington). 111	111
—— (Larsen and Steiger)....	56	—— on alunite, psilomelane and titanite (Wherry)....	120
Mineralogical pilgrimage thru Connecticut, A (Hoadley)....	99	—— on an occurrence of quartz crystals (Holden)....	81
Mineralogical Society (of Great Britain)....25, 68, 96,	128	—— on Japanese minerals, Some (Ichikawa).....12, 14	14
Mineralography.....21, 23		—— on the nomenclature of the lead monoxide minerals (Wherry).....	19
Mirabilite from the Isle Royale Copper Mine, Houghton, Mich. (Peck).....	62		
Missouri, calcite, 96; diasporite	144		
Mizzonite.....	70		
Mohawkite, a mixture.....	21		
Montana, epiboulangerite.....	131		
Moore, Benjamin. Flint.....	141		
Moses, Alfred J., Parsons, Charles L. Elements of Mineralogy, etc. [Rev.].....	51		
Mügge, O. Inclusions in mica and goethite.....	141		
Murdoch, Joseph. Opaque minerals [Rev.].....	21		
Nacken, R. Quartz and $\alpha$ -quartz.....	140		

— on rare mineral occurrences (Hills).....	97	Planerite.....	31
— on the sphaeroiderite from Spokane, Washington (Gratacap).....	81	Platinum.....	70
— on the Whitfield County, Georgia, meteoric irons, with new analyses (Merrill).....	111	Plattnerite.....	15
— on unusual masses of plattnerite (Shannon).....	15	Plenargyrite, a mixture.....	21
Novelties in the mineralogy of Sweden, Some (Flink).....	128	Plotting crystal zones on paper (Blake).....	55
Numerical relation between zones and faces of a polyhedron (Fedorov).....	96	Plumbogummite.....	120
Occurrence of the native elements, The (Wherry).....	105	Pogue, J. E. Chemistry of minerals.....	12
— of vicinal faces on idocrase (vesuvianite) from Ala. (Gonnard).....	70	Possible errors of silicate analyses and a rule of mixtures for alkali-free aluminous augites (Tschermak). [Ref.].....	56
Oinouye, Y. Sulfur.....	119	Preliminary note on some minerals of the metalliferous deposits of Borgofranco D'Ivrea (Lincio).....	140
Optical evidence that "hydrogobertite" is a mixture (Larsen).....	3	Preparation and properties of lead chlor-arsenate, artificial mimetite (McDonnell and Smith).....	28
— properties of penfieldite, The (Larsen).....	20	Presence of nickel in native platinum (de Rubies).....	70
Optically positive cordierite (Chacko).....	14	Priceite.....	1, 2
Oregon, priceite.....	1, 2	Prior, G. T. Meteoric stones [Ref.]; Meteorites [Ref.].....	55
Origin of flint, The.....	141, 142	Probable identity of fischerite with wavellite, The (Wherry).....	32
— of the mirabilite from the Isle Royale Mine, The (Lane).....	63	— of uranothallite and liebigite (Larsen).....	87
— of veins of the asbestiform minerals (Taber).....	69	Prochlorite.....	70
Pandermite.....	1	Prodromus of Nicolaus Steno's dissertation (Winter). [Rev.].....	33
Parsons, Charles L. See Moses and Parsons.		Proof that priceite is a distinct mineral species (Larsen).....	1
Partschinite.....	20	Psilomelanite.....	120
Patton, H. B. Ferberite.....	74	Ptilolite.....	143
Peck, Albert B. Mirabilite.....	62	Pyrite.....	117
Pectolite pseudomorphous after quartz from West Paterson, N. J. (Glenn).....	43	Pyromorphite.....	98
Peculiar process of sulfur deposition, A (Oinouye).....	119	Quartz.....	70, 81, 140
Penfieldite.....	20	— var. eldoradoite.....	26
Pennsylvania, quartz.....	81	—, amethyst, rose and blue.....	142
Phenacite.....	71	Radioactive halos (Joly) [Ref.].....	141
Philadelphia Mineralogical Society: 10, 25, 40, 53, 68, 83, 95, 110, 120, 127, 147.....	148	— minerals in South Africa (Hahn).....	112
Phillips, Alexander H. Franklinitite.....	5	Radio-strontium.....	41
— New zinc phosphates.....	11	Rare habit and new form of franklinitite, A (Phillips).....	5
— Natrolite.....	27	Recent advances in science; mineralogy and crystallography (Scott). [Ref.].....	140
Piedmontite.....	140	Recent work on monazite and other thorium minerals in Ceylon.....	119
Pinite.....	12	Recently found iron meteorite from Cookeville, Putnam County, Tennessee (Merrill). [Ref.].....	27
Plagioclases.....	70		
Plagionite.....	140		

Reeds, Chester A. Meteorites [ <i>Ref.</i> ].....	69	The (Comucci).....	140
Relations existing between the habit and the conditions of crystallization of tridymite (Lacroix).....	130	Sosman, Robert B. Refrac- tory oxides [ <i>Rev.</i> ].....	38
Remarkable occurrence of cal- cite in silicified wood, A (Wherry).....	130	South Dakota, lamellar calcite.	139
Rhodochrosite.....	130	Spencer, L. J. Gypsum.....	55
Rogers, Austin F. Bornite and chalcocite.....	13	Spencerite, a new zinc phos- phate from British Columbia (Walker).....	41, 142
——, See also Tolman and Rogers.		Spessartite.....	85
Rosenthal, H. Coloring glass.	95, 98	Spodumene.....	95, 98
Rubies, S. Pina de. Nickel in platinum.....	70	Stanton, Gilman S. See Man- chester and Stanton.	
Rutile.....	97	Steiger, George. See Larsen and Steiger.	
Sanford, Samuel. See Schrad- er, Stone and Sanford.		Steno, Nicolaus. Prodrromus of dissertation (Winter). [ <i>Rev.</i> ].....	33
Sapphire mining industry of Anakie, Queensland.....	28	Stevens, Albert L. Carpenter collection.....	133
Schaller, Waldemar T. Gems.	97	——, Carr collection.....	8
——, Hamlinite and goya- zite.....	70	Stilbite.....	117
——, Isemannite.....	141	Stone, Ralph W. See Schra- der, Stone and Sanford.	
——, See also Butler and Schaller; Loughlin and Schaller.		Storms, W. H. Scheelite.....	119
Schapbachite, a mixture.....	21	Strontiohitechockite.....	120
Scheelite.....	119	Strueverite.....	97
Schrader, Frank C.; Stone, Ralph W.; and Sanford, Samuel. Useful minerals...	97	Studies on the origin of Mis- souri cherts and zinc ores (Cox, Dean, and Gottschalk)	142
Scott, Alexander. Mineralo- gy and crystallography [ <i>Ref.</i> ]	140	Study of the etching figures of the hexagonal-altering type of crystals, A (Hones).....	57, 71
Selensulfur.....	12, 116	—— of the magmatic sulfid ores, A (Tolman and Rogers)	97
Shadlun, N. Fetid dolomite...	70	Sulfatic cancrinite from Colo- rado (Larsen and Steiger)...	13
Shafts in Galena-Joplin Dis- trict lure collectors.....	67	Sulfur, 119; seleniferous.....	116
Shannon, Earl V. Pyromor- phite.....	98	Supplementary note on thau- masite, A (Wherry).....	125
——, Epiboulangerite.....	131	Synthesis of nickel arsenides (Beutell).....	56
——, Plattnerite.....	15	—— of smaltite and löllin- gite (Beutell and Lorenz).....	56
Siderite.....	130	Taber, Stephen. Asbestos....	69
Silver.....	97	Tapalpaite, a mixture.....	21
Simpson, Edward S. Analyses.	111	Tapiolite in the Pilbara Gold- field, Western Australia (Simpson).....	68
——, Tapiolite.....	68	Temiskamite, a mixture.....	21
Smaltite, synthesis.....	56	Tennessee, psilomelanite.....	120
Smith, C. M. See McDonnell and Smith.		Terminated crystals of thau- masite (Wherry).....	89
Société Impériale Russe de Minéralogie.....	54	Tetragonal iron phosphide from the Ruff's Mountain meteor- ite (Wherry).....	80
So-called fischerite from Ro- man Gladna, Hungary, The (Larsen).....	31	Texas, alunite 120; meteorite..	97
—— graphic intergrowths of bornite and chalcocite, The (Rogers).....	13	Thaumasite.....	89, 125
—— thulite pyrosclerite rock from Campo a Peri, Elba,		Thaumasite from Longbans- hyttan (Flink).....	130
		Theoretical number of ortho-	

axial plagioclases (Cesaro). [ <i>Ref.</i> ].....	111	Washington; siderite, 130; sphaerosiderite, 30, 81.	
Thermodynamic reversibility of the equilibrium relations between a strained solid and its liquid (Wright and Hos- tetter).....	141	Water, crystals of (Canfield) ..	90
Thomson, Elihu. Flight of meteorite [ <i>Ref.</i> ].....	69	Watkins, S. L. Eldoradoite... ..	26
Thomson, Ellis. Azurite.....	46	Watson, Thomas L. Zircon- bearing pegmatites.....	14
Thulite.....	140	— and Beard, R. E. Am- ethyst, rose and blue quartz.	142
Thuringite.....	56	Wavellite.....	32
Titaniferous augite from Ice River, British Columbia (Warren, Allan, and Conner) ..	112	Wells, Roger C. and Larsen, Esper S. Lorettoite.....	26
Titanite.....	120	Wheatley, A. C. See Ledoux, Walker and Wheatley.	
Tolman, Jr., C. F. and Rogers, Austin F. Magmatic sulfid ores.....	97	Wherry, Dr. Edgar T.....	118
Trechmann, Dr. Charles O....	128	—, Alunite, psilomela- nite and titanite.....	120
Tridymite.....	130	—, Calcite in silicified wood.....	130
Tschermak, G. Augites [ <i>Ref.</i> ].	56	—, Diasporite.....	144
Twinning in the New Jersey pseudomorphs (Canfield)....	48	—, Emerald deposits....	27
Ungemach, H. Madagascar..	69	—, Fischerite and wavel- lite.....	32
Uranothallite.....	87	—, Iron phosphide.....	80
Useful minerals of the United States (Schrader, Stone, and Sanford).....	97	—, Lamellar calcite.....	139
Utah: aurichalcite, 130; cran- dallite, 42; ferroludwigite, 68; ludwigite, 68; magnesio- ludwigite, 68; minerals.....	92	—, Lead monoxide min- erals.....	19
Vashegyite.....	31	—, Merrillite.....	119
Vesuvianite.....	70	—, Neodymium in min- erals.....	96
Viola, C. Calcite.....	140	—, Native elements....	105
Virginia, zircon.....	14	—, Native element min- erals.....	141
Visit to the zeolite locality at North Table Mountain, Col- orado, A (Wilson).....	29	—, Thauamasite.....	89, 125
Wade, Frank B. Diamonds [ <i>Rev.</i> ].....	66	— and Glenn, M. L. Chal- cedony.....	6
Walker, T. L. Hopeite.....	56	— and Larsen, Esper S. Rhodochrosite and siderite..	130
—, Spencerite.....	41, 142	—, See also Larsen and Wherry.	
—, See also Ledoux, Wal- ker and Wheatley.		Whitlock, H. P. Collections..	11
Wang, Y. T. Oxidized ores of zinc.....	28	Willemite.....	58
Warren, Charles H. A grad- uated sphere.....	55	Wilson, E. H. North Table Mountain.....	29
—, Allan, John A., Conner, M. F. Titaniferous augite..	112	Winter, John Garrett. Steno [ <i>Rev.</i> ].....	33
		Wintringham, J.P. Crystal- lography, 49, 65, 82, 93, 109, 118.....	126
		Wright, F. E. and Hostetter, J. C. Equilibrium relations.	141
		Zambonini, F. Apatites.....	69
		Zircon-bearing pegmatites in Virginia (Watson).....	14